

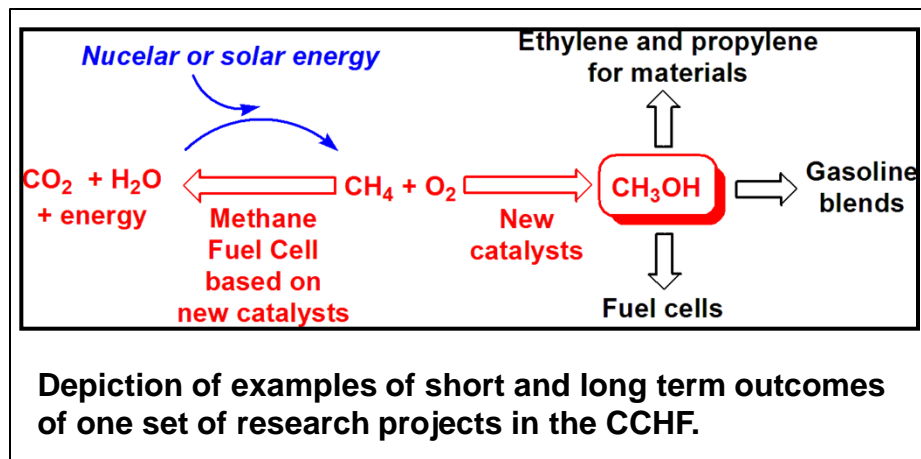


U.S. DEPARTMENT OF
ENERGY

Center for Catalytic Hydrocarbon Functionalization

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The Center for Catalytic Hydrocarbon Functionalization brings together groups in catalysis, materials, electrochemistry, bioinorganic chemistry and quantum mechanics to develop new catalyst technologies for hydrocarbon functionalization processes that can reduce energy consumption while enhancing domestic energy resources to fuel future transportation processes.



Controlled hydrocarbon functionalization can lead to high impact technologies, but such catalysts require a level of molecular control beyond current means. The CCHF facilitates collaborations among the leading research groups to develop, validate, and optimize new methods to rearrange the bonds of hydrocarbons, implement enzymatic strategies into synthetic systems, and design optimal environments for catalysis.